

[0017] Figure 8 shows a row driver circuit with separate boosting parts.

[0056] In the embodiment shown in figure 8, a separate boosting line 800 is provided. The bodies of a plurality of switching transistors 805, 810, 815 are connected to this dedicated boosting line. Using a boosting system as shown in figure 5 allows the boost line 800 to be used as the normal bootstrap circuit at the desired boosting level. A separate boost line 820 may be connected, and may be used to bring up the local body potential of certain transistors. This ensures that the local body potential will always be higher than the source line and the drain line of the switching transistors, even when a boosting voltage is applied.